

Executive Summary Report

SMOG CHECK Statewide

March 2007

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	888,756	112,609	12.67%
Total	1,034,924	145,582	14.07%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	757,320	85.21%	131,436	14.79%
Total	863,221	83.41%	171,703	16.59%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	443,508	85.18%	77,192	14.82%
Total	510,534	84.12%	96,346	15.88%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	20,385	2.29%
All Emissions	64,989	7.31%
All Visual	12,931	1.45%
All Functional	34,664	3.90%
OBDII	33,000	3.71%
Overall	112,609	12.67%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	708,415	91,207	12.87%	16,188	2.29%
Partially Enhanced	41,886	6,137	14.65%	1,068	2.55%
Basic	79,376	9,047	11.40%	2,018	2.54%
Change of Ownership	6,716	926	13.79%	254	3.78%
No Program	5	0	0.00%	0	0.00%
Unknown Program	52,358	5,292	10.11%	857	1.64%
Total Program Area	888,756	112,609	12.67%	20,385	2.29%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	520,700	75,362	14.47%	14,466	2.78%
Regular	311,247	29,975	9.63%	4,617	1.48%
Basic Area Dealer	6,241	336	5.38%	62	0.99%
Gold Shield in Enhanced Area	31,584	4,105	13.00%	636	2.01%
Gold Shield in Basic Area	8,197	1,191	14.53%	299	3.65%
Gold Shield in COO Area	4,624	630	13.62%	176	3.81%
Business Fleet	93	8	8.60%	0	0.00%
Permanent Fleet Registered	70	5	7.14%	2	2.86%
Referee	950	532	56.00%	97	10.21%
Government Fleet	5,050	465	9.21%	30	0.59%
Total	888,756	112,609	12.67%	20,385	2.29%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	250,916	222,282
Directed Vehicles	269,784	221,226
Total	520,700	443,508

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	44,025	37,645
Directed Vehicles	380	63
Total	44,405	37,708

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6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1965	1	1	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%
1966	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1969	2	1	50.00%	50.00%	0.00%	0.00%	50.00%	0.00%
1970	5	2	40.00%	20.00%	0.00%	20.00%	0.00%	0.00%
1974	10	3	30.00%	30.00%	10.00%	20.00%	10.00%	0.00%
1975	22	3	13.64%	9.09%	4.55%	9.09%	0.00%	0.00%
1976	1,909	541	28.34%	22.00%	10.90%	14.88%	9.38%	0.00%
1977	2,557	673	26.32%	19.01%	9.11%	13.73%	7.74%	0.00%
1978	2,923	729	24.94%	18.51%	9.10%	12.69%	8.01%	0.00%
1979	3,294	910	27.63%	21.77%	10.53%	14.33%	8.41%	0.00%
1980	2,079	594	28.57%	22.32%	11.64%	17.32%	8.95%	0.00%
1981	2,558	699	27.33%	22.48%	10.44%	14.43%	7.94%	0.00%
1982	2,995	885	29.55%	24.44%	11.22%	14.72%	8.05%	0.00%
1983	4,046	1,194	29.51%	24.12%	11.74%	14.98%	7.17%	0.00%
1984	7,404	2,250	30.39%	25.15%	12.47%	15.37%	7.06%	0.00%
1985	9,730	2,842	29.21%	23.88%	11.79%	15.06%	6.68%	0.00%
1986	13,732	3,602	26.23%	20.93%	9.59%	13.65%	5.02%	0.00%
1987	16,627	4,526	27.22%	21.99%	8.96%	13.08%	4.96%	0.00%
1988	19,914	4,849	24.35%	19.69%	7.57%	11.84%	3.81%	0.00%
1989	25,887	5,388	20.81%	16.53%	5.85%	10.07%	3.06%	0.00%
1990	30,435	5,988	19.67%	15.69%	5.40%	9.10%	2.44%	0.00%
1991	33,756	6,065	17.97%	14.17%	4.71%	8.05%	1.96%	0.00%
1992	33,563	5,544	16.52%	12.97%	4.05%	7.02%	1.82%	0.00%
1993	38,755	7,065	18.23%	14.91%	3.44%	6.91%	1.86%	0.00%
1994	43,889	6,535	14.89%	11.61%	2.52%	5.64%	1.72%	0.00%
1995	62,735	7,432	11.85%	8.73%	1.70%	4.54%	1.24%	0.00%
1996	39,458	7,338	18.60%	7.40%	1.14%	1.82%	1.08%	12.67%
1997	75,850	9,106	12.01%	4.10%	0.72%	1.15%	0.76%	8.31%
1998	54,868	6,129	11.17%	3.16%	0.57%	0.90%	0.63%	8.18%
1999	100,534	7,097	7.06%	1.50%	0.29%	0.56%	0.47%	5.27%
2000	48,078	4,062	8.45%	1.35%	0.33%	0.69%	0.46%	6.80%
2001	137,314	7,833	5.70%	0.51%	0.13%	0.57%	0.28%	4.77%
2002	21,824	993	4.55%	0.45%	0.13%	0.33%	0.27%	3.60%
2003	25,668	848	3.30%	0.32%	0.11%	0.20%	0.12%	2.45%
2004	8,708	292	3.35%	0.24%	0.09%	0.29%	0.24%	2.62%
2005	6,738	235	3.49%	0.42%	0.09%	0.16%	0.34%	2.64%
2006	8,091	261	3.23%	0.27%	0.05%	0.28%	0.25%	2.51%
2007	2,787	93	3.34%	0.72%	0.11%	0.11%	0.93%	2.19%
2008	7	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2009	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Model Year	888,756	112,609	12.67%	7.31%	2.29%	3.90%	1.45%	3.71%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	735
Certificate of Non Compliance	1
Parts Cost	109
Hardship Extensions	141
Exempt Vehicle	62
Exempted by Directive	146
Parts Exemption	4
Unknown Outcome	0
	1,198

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,306
Stations Locked-Out at Least Once	178
Stations Conducted at Least One Test	7,727

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,640	6,238
EA	Gas Endorsement	16	0
EB	Both Endorsement	54	0
EB	Gas Endorsement	563	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	448,668	48.13	44,205	48.48	492,873	48.16
Test and Repair	209,670	46.62	89,265	44.37	298,935	45.95
Test and Repair Dealer	20	60.50	6,177	47.95	6,197	47.99
Referee	559	30.00	234	30.00	793	30.00
Gold Shield in Enhanced Area	22,924	46.25	7,720	41.76	30,644	45.12
Gold Shield in Basic Area	23	59.22	7,930	33.71	7,953	33.78
Gold Shield in COO Area	327	55.74	4,626	47.63	4,953	48.17

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	8,067	22.31	26,516	204.63
	\$51-150	6,839	100.43		
	\$151-250	4,430	199.36		
	\$251-450	4,397	334.39		
	Over \$450	2,783	792.50		
Cap Repairs	\$0-50	165	25.55	3,645	327.41
	\$51-150	430	104.51		
	\$151-250	663	203.38		
	\$251-450	1,373	345.97		
	Over \$450	1,014	527.02		
Total Repairs	\$0-50	7,304	22.50	27,563	240.15
	\$51-150	5,906	100.62		
	\$151-250	4,693	199.86		
	\$251-450	5,590	338.89		
	Over \$450	4,070	744.04		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	3,645	327.41

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	46	11	2	0	5	3	4	1

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test Only	40	6	2	1	0	4	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	0	1	0	1	0	1
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	37	6	0	0	1	3	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	16,261	2,291	270	120	1,080	983	585	241
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	148	2	1	76	55	14	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	262	324	63	141	63	186	124	188
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	153,831	16,203	2,085	828	6,899	7,347	4,318	1,520
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	8	2	0	0	1	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	377,800	67,166	12,825	3,887	16,236	43,712	21,624	7,698
Acceleration Simulation Mode (ASM)	Partial	Business-Fleet	20	2	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,549	582	94	35	161	369	181	66
Acceleration Simulation Mode (ASM)	Partial	Referee	9	18	4	6	5	9	5	9
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	18,383	3,339	544	207	858	2,031	1,030	385
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,216	1,851	348	129	475	1,170	537	249
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,259	267	41	13	105	138	54	27
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	265	15	0	66	185	24	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	47	39	6	16	18	16	13	21
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	16,830	1,736	240	129	689	857	427	206
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,197	1,912	374	124	648	1,133	504	242
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,896	1,064	279	62	228	541	420	146

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	236	39	5	1	11	17	15	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,190	506	118	34	166	211	178	69
Two Speed Idle (TSI)	Basic	Government Fleet	0	9	1	0	4	4	1	0
Two Speed Idle (TSI)	Basic	Referee	48	42	13	15	8	19	21	24
Two Speed Idle (TSI)	Basic	Test and Repair	46,065	5,914	1,256	360	1,594	2,549	2,345	761
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,386	266	59	10	81	114	72	29
Two Speed Idle (TSI)	Basic	Test Only	7,852	1,189	283	84	328	577	364	151
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	101	16	4	2	5	8	7	3
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,169	404	124	21	87	229	133	50
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	137	27	9	2	5	16	13	5
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,262	325	72	24	95	144	122	48
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	57	4	1	0	1	3	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	899	143	44	9	29	83	48	21
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	471	44	7	2	19	12	11	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	433	52	10	2	18	19	14	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,838	338	82	22	139	138	87	39
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	37	10	0	12	18	4	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	24	2	2	0	0	2	0	0
Two Speed Idle (TSI)	Enhanced	Referee	61	37	4	16	10	12	10	24
Two Speed Idle (TSI)	Enhanced	Test and Repair	24,353	1,693	285	101	820	523	370	190
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	552	27	0	1	20	1	2	1
Two Speed Idle (TSI)	Enhanced	Test Only	29,849	2,818	543	136	1,326	1,028	585	257
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	45	8	2	0	5	2	1	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	229	38	9	0	12	17	9	2
Two Speed Idle (TSI)	Partial	Referee	1	2	1	0	0	2	1	1
Two Speed Idle (TSI)	Partial	Test and Repair	1,900	206	48	15	77	83	64	31
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	64	5	0	0	3	1	1	0
Two Speed Idle (TSI)	Partial	Test Only	795	80	18	5	27	33	21	14

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	349	59	7	4	25	16	28	12
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	983	129	37	11	33	63	47	20
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	471	56	13	3	23	18	21	6
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	5	2	0	1	4	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	53	31	6	3	2	19	5	26
Two Speed Idle (TSI)	Unknown Program	Test and Repair	6,069	548	85	41	254	172	151	79
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	639	31	2	1	22	4	3	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,852	197	29	14	117	51	34	17
UnKnown TestType	Basic	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Referee	14	14	0	0	0	14	0	14
UnKnown TestType	Partial	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Unknown Program	Referee	16	16	0	0	0	16	0	15

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